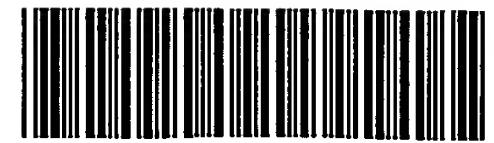


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/526,106B  
Source: JFW16  
Date Processed by STIC: 08/15/2005

***ENTERED***



IFW16

**RAW SEQUENCE LISTING** DATE: 08/15/2005  
**PATENT APPLICATION:** US/09/526,106B **TIME:** 09:35:25

Input Set : A:\021167-000700US.ST25.txt  
Output Set: N:\CRF4\08152005\I526106B.raw

3 <110> APPLICANT: Balint, Robert F.  
4 Her, Jeng-Horng  
5 KaloBios, Inc.  
7 <120> TITLE OF INVENTION: Interaction-Activated Proteins  
9 <130> FILE REFERENCE: 021167-000700US  
11 <140> CURRENT APPLICATION NUMBER: US 09/526,106B  
12 <141> CURRENT FILING DATE: 2000-03-15  
14 <150> PRIOR APPLICATION NUMBER: US 60/124,339  
15 <151> PRIOR FILING DATE: 1999-03-15  
17 <150> PRIOR APPLICATION NUMBER: US 60/135,926  
18 <151> PRIOR FILING DATE: 1999-05-25  
20 <150> PRIOR APPLICATION NUMBER: US 60/175,968  
21 <151> PRIOR FILING DATE: 2000-01-13  
23 <160> NUMBER OF SEQ ID NOS: 27  
25 <170> SOFTWARE: PatentIn Ver. 2.1  
27 <210> SEQ ID NO: 1  
28 <211> LENGTH: 789  
29 <212> TYPE: DNA  
30 <213> ORGANISM: Escherichia coli  
32 <220> FEATURE:  
33 <221> NAME/KEY: CDS  
34 <222> LOCATION: (1)..(789)  
35 <223> OTHER INFORMATION: TEM-1 beta-lactamase  
37 <400> SEQUENCE: 1  
38 cac cca gaa acg ctg gtg aaa gta aaa gat gct gaa gat cag ttg ggt 48  
39 His Pro Glu Thr Leu Val Lys Val Lys Asp Ala Glu Asp Gln Leu Gly  
40 1 5 10 15  
42 gca cga gtg ggt tac atc gaa ctg gat ctc aac agc ggt aag atc ctt 96  
43 Ala Arg Val Gly Tyr Ile Glu Leu Asp Leu Asn Ser Gly Lys Ile Leu  
44 20 25 30  
46 gag agt ttt cgc ccc gaa gaa cgt ttt cca atg atg agc act ttt aaa 144  
47 Glu Ser Phe Arg Pro Glu Glu Arg Phe Pro Met Met Ser Thr Phe Lys  
48 35 40 45  
50 gtt ctg cta tgt ggc gcg gta tta tcc cgt att gac gcc ggg caa gag 192  
51 Val Leu Leu Cys Gly Ala Val Leu Ser Arg Ile Asp Ala Gly Gln Glu  
52 50 55 60  
54 caa ctc ggt cgc cgc ata cac tat tct cag aat gac ttg gtt gag tac 240  
55 Gln Leu Gly Arg Arg Ile His Tyr Ser Gln Asn Asp Leu Val Glu Tyr  
56 65 70 75 80  
58 tca cca gtc aca gaa aag cat ctt acg gat ggc atg aca gta aga gaa 288  
59 Ser Pro Val Thr Glu Lys His Leu Thr Asp Gly Met Thr Val Arg Glu  
60 85 90 95  
62 tta tgc agt gct gcc ata acc atg agt gat aac act gcg gcc aac tta 336

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/526,106B

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Input Set : A:\021167-000700US.ST25.txt  
Output Set: N:\CRF4\08152005\I526106B.raw

63	Leu	Cys	Ser	Ala	Ala	Ile	Thr	Met	Ser	Asp	Asn	Thr	Ala	Ala	Asn	Leu
64				100				105								110
66	ctt	ctg	aca	acg	atc	gga	gga	ccg	aag	gag	cta	acc	gct	ttt	ttg	cac
67	Leu	Leu	Thr	Thr	Ile	Gly	Gly	Pro	Lys	Glu	Leu	Thr	Ala	Phe	Leu	His
68				115				120								125
70	aac	atg	ggg	gat	cat	gta	act	cgc	ctt	gat	cgt	tgg	gaa	ccg	gag	ctg
71	Asn	Met	Gly	Asp	His	Val	Thr	Arg	Leu	Asp	Arg	Trp	Glu	Pro	Glu	Leu
72		130				135										140
74	aat	gaa	gcc	ata	cca	aac	gac	gag	cgt	gac	acc	acg	atg	cct	gta	gca
75	Asn	Glu	Ala	Ile	Pro	Asn	Asp	Glu	Arg	Asp	Thr	Thr	Met	Pro	Val	Ala
76	145			150				155								160
78	atg	gca	aca	acg	ttg	cgc	aaa	cta	tta	act	ggc	gaa	cta	ctt	act	cta
79	Met	Ala	Thr	Thr	Leu	Arg	Lys	Leu	Leu	Thr	Gly	Glu	Leu	Leu	Thr	Leu
80				165				170								175
82	gct	tcc	cg	caa	caa	tta	ata	gac	tgg	atg	gag	g	gat	aaa	gtt	gca
83	Ala	Ser	Arg	Gln	Gln	Leu	Ile	Asp	Trp	Met	Glu	Ala	Asp	Lys	Val	Ala
84		180				185										190
86	gga	cca	ctt	ctg	cgc	tcg	gcc	ctt	ccg	gct	ggc	tgg	ttt	att	gct	gat
87	Gly	Pro	Leu	Leu	Arg	Ser	Ala	Leu	Pro	Ala	Gly	Trp	Phe	Ile	Ala	Asp
88		195			200			205								
90	aaa	tct	gga	gcc	ggt	gag	cgt	ggg	tct	cgc	ggt	atc	att	gca	gca	ctg
91	Lys	Ser	Gly	Ala	Gly	Glu	Arg	Gly	Ser	Arg	Gly	Ile	Ile	Ala	Ala	Leu
92		210			215			220								
94	ggg	cca	gat	ggt	aag	ccc	tcc	cgt	atc	gta	gtt	atc	tac	acg	acg	ggg
95	Gly	Pro	Asp	Gly	Lys	Pro	Ser	Arg	Ile	Val	Val	Ile	Tyr	Thr	Thr	Gly
96		225			230			235								240
98	agt	cag	gca	act	atg	gat	gaa	cga	aat	aga	cag	atc	gct	gag	ata	ggt
99	Ser	Gln	Ala	Thr	Met	Asp	Glu	Arg	Asn	Arg	Gln	Ile	Ala	Glu	Ile	Gly
100				245				250								255
102	gcc	tca	ctg	att	aag	cat	tgg									789
103	Ala	Ser	Leu	Ile	Lys	His	Trp									
104		260														
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108	<211>	LENGTH:	263													
109	<212>	TYPE:	PRT													
110	<213>	ORGANISM:	Escherichia	coli												
112	<220>	FEATURE:														
113	<223>	OTHER INFORMATION:	TEM-1	beta-lactamase												
115	<400>	SEQUENCE:	2													
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117	1			5				10								15
119	Ala	Arg	Val	Gly	Tyr	Ile	Glu	Leu	Asp	Leu	Asn	Ser	Gly	Lys	Ile	Leu
120		20			25			30								
122	Glu	Ser	Phe	Arg	Pro	Glu	Glu	Arg	Phe	Pro	Met	Met	Ser	Thr	Phe	Lys
123		35			40			45								
125	Val	Leu	Leu	Cys	Gly	Ala	Val	Leu	Ser	Arg	Ile	Asp	Ala	Gly	Gln	Glu
126		50			55			60								
128	Gln	Leu	Gly	Arg	Arg	Ile	His	Tyr	Ser	Gln	Asn	Asp	Leu	Val	Glu	Tyr
129	65			70				75								80

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/526,106B

DATE: 08/15/2005

TIME: 09:35:25

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 Output Set: N:\CRF4\08152005\I526106B.raw

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131 Ser Pro Val Thr Glu Lys His Leu Thr Asp Gly Met Thr Val Arg Glu
132           85          90          95
134 Leu Cys Ser Ala Ala Ile Thr Met Ser Asp Asn Thr Ala Ala Asn Leu
135           100         105         110
137 Leu Leu Thr Thr Ile Gly Gly Pro Lys Glu Leu Thr Ala Phe Leu His
138           115         120         125
140 Asn Met Gly Asp His Val Thr Arg Leu Asp Arg Trp Glu Pro Glu Leu
141           130         135         140
143 Asn Glu Ala Ile Pro Asn Asp Glu Arg Asp Thr Thr Met Pro Val Ala
144 145           150         155         160
146 Met Ala Thr Thr Leu Arg Lys Leu Leu Thr Gly Glu Leu Leu Thr Leu
147           165         170         175
149 Ala Ser Arg Gln Gln Leu Ile Asp Trp Met Glu Ala Asp Lys Val Ala
150           180         185         190
152 Gly Pro Leu Leu Arg Ser Ala Leu Pro Ala Gly Trp Phe Ile Ala Asp
153           195         200         205
155 Lys Ser Gly Ala Gly Glu Arg Gly Ser Arg Gly Ile Ile Ala Ala Leu
156           210         215         220
158 Gly Pro Asp Gly Lys Pro Ser Arg Ile Val Val Ile Tyr Thr Thr Gly
159 225           230         235         240
161 Ser Gln Ala Thr Met Asp Glu Arg Asn Arg Gln Ile Ala Glu Ile Gly
162           245         250         255
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165           260
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169 <211> LENGTH: 5
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence:linker
176 <400> SEQUENCE: 3
177 Gly Gly Gly Gly Ser
178   1          5
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183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence:flexible linker
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190 Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
191   1          5          10          15
194 <210> SEQ ID NO: 5
195 <211> LENGTH: 6
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence:hexa-histidine
201     tag

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/526,106B

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TIME: 09:35:25

Input Set : A:\021167-000700US.ST25.txt  
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203 <400> SEQUENCE: 5  
 204 His His His His His His  
 205 1 5  
 208 <210> SEQ ID NO: 6  
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 210 <212> TYPE: PRT  
 211 <213> ORGANISM: Artificial Sequence  
 213 <220> FEATURE:  
 214 <223> OTHER INFORMATION: Description of Artificial Sequence:flexible linker  
 215 of variable length  
 217 <220> FEATURE:  
 218 <221> NAME/KEY: REPEAT  
 219 <222> LOCATION: (1)..(5)  
 220 <223> OTHER INFORMATION: (G-4S)-x, amino acids 1-5 may be repeated an  
 221 undefined number of times  
 223 <400> SEQUENCE: 6  
 224 Gly Gly Gly Gly Ser  
 225 1 5  
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 229 <211> LENGTH: 267  
 230 <212> TYPE: PRT  
 231 <213> ORGANISM: Escherichia coli  
 233 <220> FEATURE:  
 234 <223> OTHER INFORMATION: Neomycin phosphotransferase II (NPTII)  
 236 <400> SEQUENCE: 7  
 237 Met Gly Ser Ala Ile Glu Gln Asp Gly Leu His Ala Gly Ser Pro Ala  
 238 1 5 10 15  
 240 Ala Trp Val Glu Arg Leu Phe Gly Tyr Asp Trp Ala Gln Gln Thr Ile  
 241 20 25 30  
 243 Gly Cys Ser Asp Ala Ala Val Phe Arg Leu Ser Ala Gln Gly Arg Pro  
 244 35 40 45  
 246 Val Leu Phe Val Lys Thr Asp Leu Ser Gly Ala Leu Asn Glu Leu Gln  
 247 50 55 60  
 249 Asp Glu Ala Ala Arg Leu Ser Trp Leu Ala Thr Thr Gly Val Pro Cys  
 250 65 70 75 80  
 252 Ala Ala Val Leu Asp Val Val Thr Glu Ala Gly Arg Asp Trp Leu Leu  
 253 85 90 95  
 255 Leu Gly Glu Val Pro Gly Gln Asp Leu Leu Ser Ser His Leu Ala Pro  
 256 100 105 110  
 258 Ala Glu Lys Val Ser Ile Met Ala Asp Ala Met Arg Arg Leu His Thr  
 259 115 120 125  
 261 Leu Asp Pro Ala Thr Cys Pro Phe Asp His Gln Ala Lys His Arg Ile  
 262 130 135 140  
 264 Glu Arg Ala Arg Thr Arg Met Glu Ala Gly Leu Val Asp Gln Asp Asp  
 265 145 150 155 160  
 267 Leu Asp Glu Glu His Gln Gly Leu Ala Pro Ala Glu Leu Phe Ala Arg  
 268 165 170 175  
 270 Leu Lys Ala Arg Met Pro Asp Gly Glu Asp Leu Val Val Thr His Gly  
 271 180 185 190

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/526,106B

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TIME: 09:35:25

Input Set : A:\021167-000700US.ST25.txt  
Output Set: N:\CRF4\08152005\I526106B.raw

273 Asp Ala Cys Leu Pro Asn Ile Met Val Glu Asn Gly Arg Phe Ser Gly  
274 195 200 205  
276 Phe Ile Asp Cys Gly Arg Leu Gly Val Ala Asp Arg Tyr Gln Asp Ile  
277 210 215 220  
279 Ala Leu Ala Thr Arg Asp Ile Ala Glu Glu Leu Gly Gly Glu Trp Ala  
280 225 230 235 240  
282 Asp Arg Phe Leu Val Leu Tyr Gly Ile Ala Ala Pro Asp Ser Gln Arg  
283 245 250 255  
285 Ile Ala Phe Tyr Arg Leu Leu Asp Glu Phe Phe  
286 260 265  
289 <210> SEQ ID NO: 8  
290 <211> LENGTH: 18  
291 <212> TYPE: PRT  
292 <213> ORGANISM: Artificial Sequence  
294 <220> FEATURE:  
295 <223> OTHER INFORMATION: Description of Artificial Sequence:CD40-binding  
296 Trxpep  
298 <400> SEQUENCE: 8  
299 Cys Gly Pro Lys Glu Leu Arg Ile Gly Gly Arg Pro Arg Arg Pro Gly  
300 1 5 10 15  
302 Pro Cys  
305 <210> SEQ ID NO: 9  
306 <211> LENGTH: 18  
307 <212> TYPE: PRT  
308 <213> ORGANISM: Artificial Sequence  
310 <220> FEATURE:  
311 <223> OTHER INFORMATION: Description of Artificial Sequence:CD40-binding  
312 Trxpep  
314 <400> SEQUENCE: 9  
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316 1 5 10 15  
318 Pro Cys  
321 <210> SEQ ID NO: 10  
322 <211> LENGTH: 16  
323 <212> TYPE: PRT  
324 <213> ORGANISM: Artificial Sequence  
326 <220> FEATURE:  
327 <223> OTHER INFORMATION: Description of Artificial Sequence:CD40-binding  
328 Trxpep  
330 <400> SEQUENCE: 10  
331 Cys Gly Pro Ala Lys Arg Ala Asp Val Glu Phe Ser Leu Glu Pro Gly  
332 1 5 10 15  
335 <210> SEQ ID NO: 11  
336 <211> LENGTH: 21  
337 <212> TYPE: PRT  
338 <213> ORGANISM: Artificial Sequence  
340 <220> FEATURE:  
341 <223> OTHER INFORMATION: Description of Artificial Sequence:CD40-binding  
342 Trxpep

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 08/15/2005  
PATENT APPLICATION: US/09/526,106B                    TIME: 09:35:26

Input Set : A:\021167-000700US.ST25.txt  
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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/526,106B

DATE: 08/15/2005

TIME: 09:35:26

Input Set : A:\021167-000700US.ST25.txt

Output Set: N:\CRF4\08152005\I526106B.raw